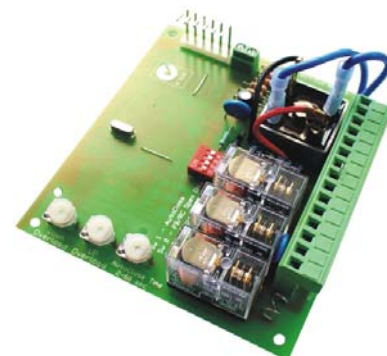


ADC402-12 and ADC402-24

Automatic Door Controller for DC Motors

Features

- 2 versions – ADC402-12 (for 12V Motors) & ADC402-24 (for 24V Motors)
- Plug-in type terminal blocks for easy wiring.
- Adjustable auto close time :2-60sec
- Separate overload trigger levels for open and close.
- Inputs for Push button, Remote control, Photo cell.
- On board test switch.
- Security close option.



ADC402-12	For 12V Motors
ADC402-24	For 24V Motors

Description

Automatic Doors in recent years have become part of our lives. We want shopping malls, restaurants, factories and even our homes to have Automatic Door Controllers installed.

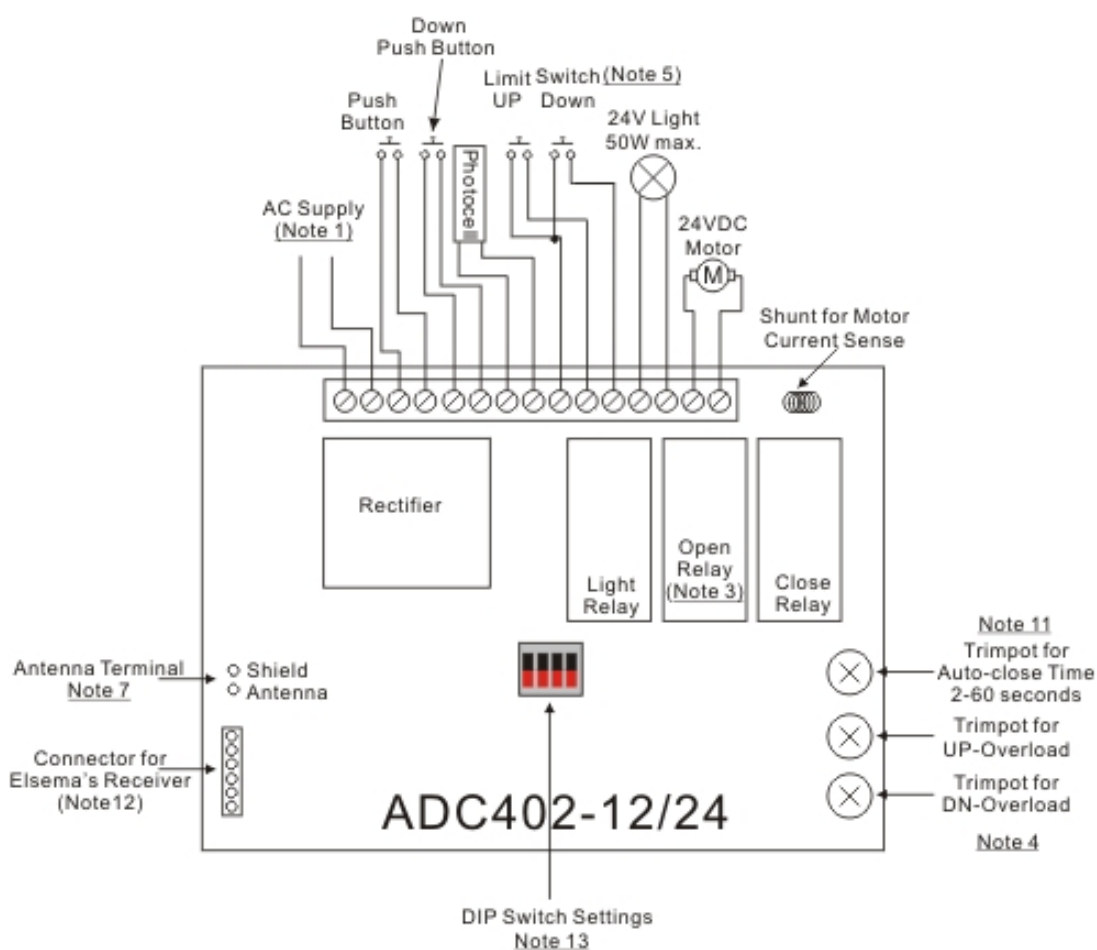
The ADC402-12 is used for 12VDC motors while the ADC402-24 is used for 24VDC motors. Motors can be operated up to 6 Amps.

The ADC402 has plug-in type terminal block for easy wiring. It also has an adjustable Auto-Close time of 2-60 seconds. Other times are available upon request.

The overload trigger level has a separate trimpot setting for opening (up) and closing (down), this enables the user to accurately set the sensitivity in each direction

ADC402-12 overload trigger level is 1.5 to 8 Amps.

ADC402-24 overload trigger level is 1.5 to 8 Amps.



Technical & Installation Instruction

1. Power Supply: Use suitable 12 (ADC402-12) or 24 (ADC402-24) Volt 5 Amps transformer connected to the AC Supply terminal.
2. We advise to install a 2amps fuse on the 240V AC side of the transformer.
3. “Open Relay” must open door, if wrong; reverse two wires to the motor.
4. Turning Clockwise on the overload trimpot will enable more motor power before tripping.
5. Up and Down limit switches are Normally Closed Contact (NC).
6. Photo Cell contact must be “normally closed” for operation. Link is placed as factory default.
7. Antenna wire to be approximately 1-2 metres wire, keep clear of other wires or metal frames.
8. Light relay. Has auxiliary N/O contact, operational together with 3-minute courtesy light.
9. Size of printed circuit board is: 115 X 105 X 40mm.
10. Mounting Hole spacing is: 105 X 95mm. Use 1/8” or 3mm screws.
11. If Auto close switch is on, door will close after being open for an adjusted time of : 2-60 seconds
12. FMR-201, GLR2701SS or GLR43301SS can be used for wireless remote control.
13. Dip Switch Settings:

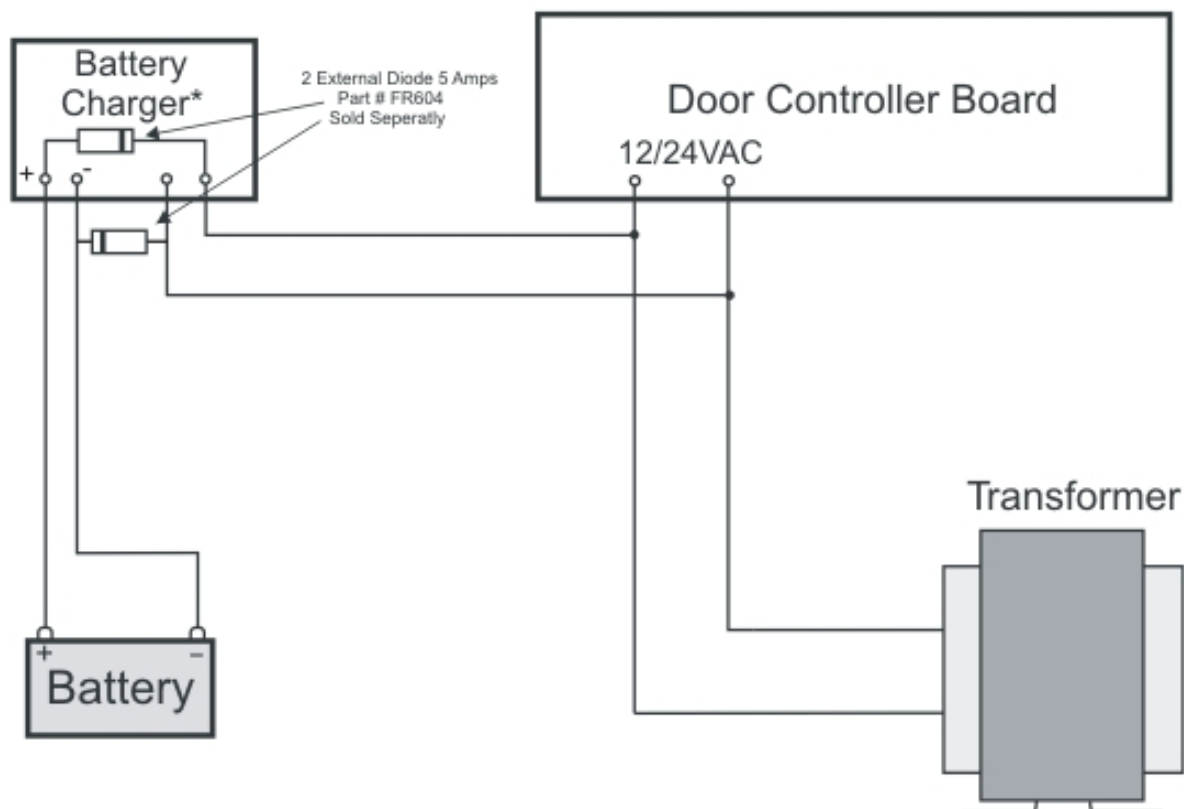
Dip Sw 1	Dip Sw 2	Dip Sw 3	Dip Sw 4
Auto-Close	Push Button & Remote Control	Security Close	Photocell- Normally Close

Charging and battery backup Circuit

This diagram shows how to connect a battery and the Elsema charger (BACH) to the control card. This gives the added option of battery backup.

*BACH12 for 12 Volt Charging

BACH24 for 24 Volt Charging



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